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SUBSTITUTE FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (MODIFIED) PATENT AND TRADEMARK OFFICE		Attorney Docket No. 50069/002002
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Serial No. 09/478,099
(37 CFR §1.98(b))		Applicant Anthony P. Adamis et al.
		Filing Date January 5, 2000
		Group 1615 1632
		IDS Filed October 4, 2000

U.S. PATENTS

Examiner's Initials	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (If Appropriate)
AMB	5,707,643	1/13/98	Ogura et al.	424	428	6/7/96

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)

AMB	Adamis et al., "Increased Vascular Endothelial Growth Factor Levels in the Vitreous of Eyes with Proliferative Diabetic Retinopathy," Am. J. Ophthalmol. 118:445-450 (1994).
	Adamis et al., "Inhibition of Vascular Endothelial Growth Factor Prevents Retinal Ischemia-Associated Iris Neovascularization in a Nonhuman Primate," Arch. Ophthalmol. 114:66-71 (1996).
	Aiello et al., "Vascular Endothelial Growth Factor in Ocular Fluid of Patients with Diabetic Retinopathy and Other Retinal Disorders," N. Engl. J. Med. 331:1480-1487 (1994).
	Aiello et al., "Suppression of Retinal Neovascularization In Vivo by Inhibition of Vascular Endothelial Growth Factor (VEGF) Using Soluble VEGF-receptor Chimeric Proteins," Proc. Natl. Acad. Sci. USA 92:10457-10461 (1995).
	Amano et al., "Requirement for Vascular Endothelial Growth Factor in Wound- and Inflammation-Related Corneal Neovascularization," Invest. Ophthalmol. Vis. Sci. 39:18-22 (1998).
	Ambati et al., "Elevated γ -Aminobutyric Acid, Glutamate, and Vascular Endothelial Growth Factor Levels in the Vitreous of Patients with Proliferative Diabetic Retinopathy," Arch. Ophthalmol. 115:1161-1166 (1997).
	Arroyo et al., "In Vivo Photoactivation of Caged-Thrombin," Thromb. Haemost. 78:791-793 (1997).
	Asrani et al., "Feasibility of Laser-Targeted Photoocclusion of the Choriocapillary Layer in Rats," Invest. Ophthalmol. Vis. Sci. 38:2702-2710 (1997).
	Barza et al., "Regional Differences in Ocular Concentration of Gentamicin After Subconjunctival and Retrobulbar Injection in the Rabbit," Am. J. Ophthalmol. 83:407-413 (1977).
	Barza et al., "Transscleral Iontophoresis of Cefazolin, Ticarcillin, and Gentamicin in the Rabbit," Ophthalmology 93:133-139 (1986).
↓	Barza et al., "Intraocular Penetration of Gentamicin After Subconjunctival and Retrobulbar Injection," Amer. J. Ophthalmol. 85:541-547 (1978).
AMB	Baum et al., "Preferred Routes of Antibiotic Administration in Treatment of Bacterial Ulcers of the Cornea," Int. Ophthalmol. Clin. 13:31-37 (1973).

EXAMINER	Anne-Marie Baker	DATE CONSIDERED	8/9/01
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EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.

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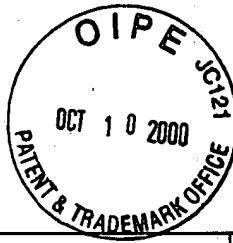
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AmB Baum et al., "Treatment of Postcataract Bacterial Endophthalmitis with Periocular and Systemic Antibiotics and Corticosteroids," Trans. Am. Acad. Ophthalmol. Otolaryngol. 81:151-162 (1976).				
Becker et al., "In Vivo Significance of ICAM-1-Dependent Leukocyte Adhesion in Early Corneal Angiogenesis," Invest. Ophthalmol. Vis. Sci. 40:612-618 (1999).				
Bennett et al., "Photoreceptor Cell Rescue in Retinal Degeneration (rd) Mice by In Vivo Gene Therapy," Nat. Med. 2:649-654 (1996).				
Bill, "Movement of Albumin and Dextran Through the Sclera," Arch. Ophthalmol. 74:248-252 (1965).				
Brown et al., "In Vivo and In Vitro Release of Macromolecules from Polymeric Drug Delivery Systems," J. Pharm. Sci. 72:1181-1185 (1983).				
Burnette, "Theory of Mass Transfer," In: Controlled Drug Delivery, 2 nd ed 29:95-138 (1987).				
Cooper et al., "Transport Across Epithelial Membranes," J. Controlled Release 6:23-35 (1987).				
DiPolo et al., "Prolonged Delivery of Brain-derived Neurotrophic Factor by Adenovirus-infected Müller Cells Temporarily Rescues Injured Retinal Ganglion Cells," Proc. Natl. Acad. Sci. USA 95:3978-3983 (1998).				
Edelhauser et al., "Permeability of Human Cornea and Sclera to Sulfonamide Carbonic Anhydrase Inhibitors," Arch. Ophthalmol. 106:1110-1115 (1988).				
Edwards et al., "Fiber Matrix Model of Sclera and Corneal Stroma for Drug Delivery to the Eye," Am. Inst. Chem. Eng. J. 44:214-225 (1998).				
Fatt et al., "Flow of Water in the Sclera," Exptl. Eye Res. 10:243-249 (1970).				
Husain et al., "Vascular Endothelial Growth Factor (VEGF) Expression is Correlated with Choroidal Neovascularization in a Monkey Model," Invest. Ophthalmol. Vis. Sci. 38:S501 (1997).				
Hyndiuk et al., "Radioactive Depot-Corticosteroid Penetration into Monkey Ocular Tissue. I. Retrobulbar and Systemic Administration," Arch. Ophthalmol. 80:499-503 (1968).				
Ishibashi et al., "Expression of Vascular Endothelial Growth Factor in Experimental Choroidal Neovascularization," Arch. Clin. Exp. Ophthalmol. 235:159-167 (1997).				
AmB Kimura et al., "A New Vitreal Drug Delivery System Using an Implantable Biodegradable Polymeric Device," Invest. Ophthalmol. Vis. Sci. 35:2815-2819 (1994).				
EXAMINER	Anne-Marie Baker	DATE CONSIDERED	8/9/01	
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<p><i>AmB</i></p> <p>Kliffen et al., "Increased Expression of Angiogenic Growth Factors in Age-related Maculopathy," Br. J. Ophthalmol. 81:154-162 (1997).</p>		
<p>Lam et al., "Transscleral Iontophoresis of Dexamethasone," Arch. Ophthalmol. 107:1368-1371 (1989).</p>		
<p>Lam et al., "A Histopathologic Study of Retinal Lesions Inflicted by Transscleral Iontophoresis," Graefe's. Arch. Clin. Exp. Ophthalmol. 229:389-394 (1991).</p>		
<p>Lang, "Ocular Drug Delivery Conventional Ocular Formulations," Adv. Drug Delivery Rev. 16:39-43 (1995).</p>		
<p>Langer et al., "Polymers for the Sustained Release of Proteins and Other Macromolecules," Nature 263:797-800 (1976).</p>		
<p>Lim et al., "Intraocular Tissue Plasminogen Activator Concentrations after Subconjunctival Delivery," Ophthalmology 100:373-376 (1993).</p>		
<p>Lincoff et al., "Choroidal Concentration of Interferon After Retrobulbar Injection," Invest. Ophthalmol. Vis. Sci. 37:2768-2771 (1996).</p>		
<p>Litwack et al., "Penetration of Gentamicin Administered Intramuscularly and Subconjunctivally Into Aqueous Humor," Arch. Ophthal. 82:687-693 (1969).</p>		
<p>Lopez et al., "Transdifferentiated Retinal Pigment Epithelial Cells Are Immunoreactive for Vascular Endothelial Growth Factor in Surgically Excised Age-Related Macular Degeneration-Related Choroidal Neovascular Membranes," Invest. Ophthalmol. Vis. Sci. 37:855-868 (1996).</p>		
<p>Lu et al., "VEGF Increases Retinal Vascular ICAM-1 Expression In Vivo," Invest. Ophthalmol. Vis. Sci. 40:1808-1812 (1999).</p>		
<p>Marmor et al., "Kinetics of Macromolecules Injected into the Subretinal Space," Exp. Eye Res. 40:687-696 (1985).</p>		
<p>Maurice et al., "Diffusion Across the Sclera," Exp. Eye Res. 25:577-582 (1977).</p>		
<p>Melder et al., "During Angiogenesis, Vascular Endothelial Growth Factor and Basic Fibroblast Growth Factor Regulate Natural Killer Cell Adhesion to Tumor Endothelium," Nat. Med. 2:992-997 (1996).</p>		
<p><i>↓</i> Miller et al., "Vascular Endothelial Growth Factor/Vascular Permeability Factor Is Temporally and Spatially Correlated with Ocular Angiogenesis in a Primate Model," Am. J. Pathol. 145:574-584 (1994).</p>		
<p><i>AmB</i> Misono et al., "A Study of the Ability of Tissue Plasminogen Activator to Diffuse into the Subretinal Space After Intravitreal Injection in Rabbits," Invest. Ophthalmol. Vis. Sci. 40:S712 (1999).</p>		
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<p><i>AMB</i></p> <p>Moritera et al., "Biodegradable Microspheres Containing Adriamycin in the Treatment of Proliferative Vitreoretinopathy," Invest. Ophthalmol. Vis. Sci. 33:3125-3130 (1992).</p>			
<p>Moritera et al., "Microspheres of Biodegradable Polymers as a Drug-Delivery System in the Vitreous," Invest. Ophthalmol. Vis. Sci. 32:1785-1790 (1991).</p>			
<p>Nilsson, "The Uveoscleral Outflow Routes," Eye 11:149-154 (1997).</p>			
<p>Okamoto et al., "Transgenic Mice with Increased Expression of Vascular Endothelial Growth Factor in the Retina: A New Model of Intraretinal and Subretinal Neovascularization," Am. J. Pathol. 151:281-291 (1997).</p>			
<p>Olsen et al., "Human Sclera: Thickness and Surface Area," Am. J. Ophthalmol. 125:237-241 (1998).</p>			
<p>Olsen et al., "Human Scleral Permeability: Effects of Age, Cryotherapy, Transscleral Diode Laser, and Surgical Thinning," Invest. Ophthalmol. Vis. Sci. 36:1893-1903 (1995).</p>			
<p>Peyman et al., "Peroxidase diffusion in the Normal and Laser-coagulated Primate Retina," Invest. Ophthalmol. 11:35-45 (1972).</p>			
<p>Peyman et al., "Intravitreal Liposome-encapsulated Drugs: A Preliminary Human Report," Int. Ophthalmol. 12:175-182 (1988).</p>			
<p>Rubsamen, "Prevention of Experimental PVR with Intravitreal Sustained Release of 5-Fluorouracil," Invest. Ophthalmol. Vis. Sci. 33:728 (1992).</p>			
<p>Ryan, "Subretinal Neovascularization: Natural History of an Experimental Model," Arch. Ophthalmol. 100:1804-1809 (1982).</p>			
<p>Sakamoto et al., "Effect of Intravitreal Administration of Indomethacin on Experimental Subretinal Neovascularization in the Subhuman Primate," Arch. Ophthalmol. 113:222-226 (1995).</p>			
<p>Sanborn et al., "Sustained-Release Ganciclovir Therapy for Treatment of Cytomegalovirus Retinitis: Use of an Intravitreal Device," Arch. Ophthalmol. 110:188-195 (1992).</p>			
<p>Smith et al., "Intravitreal Sustained-Release Ganciclovir," Arch. Ophthalmol. 110:255-258 (1992).</p>			
<p><i>AMB</i></p> <p>Tolentino et al., "Vascular Endothelial Growth Factor Is Sufficient to Produce Iris Neovascularization and Neovascular Glaucoma in a Nonhuman Primate," Arch. Ophthalmol. 114:964-970 (1996).</p>			
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AmB	Tremblay et al., "Reduced Toxicity of Liposome-Associated Amphotericin B Injected Intravitreally in Rabbits," Invest. Ophthalmol. Vis. Sci. 26:711-718 (1985).		
AmB	Vorwerk et al., "Chronic Low-Dose Glutamate Is Toxic to Retinal Ganglion Cells. Toxicity Blocked by Memantine," Invest. Ophthalmol. Vis. Sci. 37:1618-1624 (1996).		
AmB	Weijtens et al., "Peribulbar Corticosteroid Injection: Vitreal and Serum Concentrations After Dexamethasone Disodium Phosphate Injection," Am. J. Ophthalmol. 123:358-363 (1997).		
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